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AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A bipolar transistor comprising:

a substrate;

a intrinsic base region having a silicon buffer layer comprised of silicon which is formed on said substrate, and a composition-ratio graded base layer which is formed on the silicon buffer layer and comprises silicon and at least germanium and where a composition ratio of the germanium to the silicon in the composition-ratio graded base layer varies in a thickness direction of the composition-ratio graded base layer; and

an extrinsic base region having an extrinsic base formation layer comprised of silicon which is formed on said substrate and adjacent to the silicon buffer layer;

wherein a thickness of the extrinsic base formation layer is substantially equal to a thickness of the silicon buffer layer,

each of the extrinsic base formation layer and the silicon buffer layer has a thickness of not less than 40nm, and

a surface of the extrinsic base formation layer is silicided.

- 2. (Cancelled)
- 3. (Currently Amended) [[A]] <u>The</u> bipolar transistor according to Claim 1, wherein the composition-ratio graded base layer is a <u>silicon germanium</u> graded base layer which comprises silicon and germanium.
- 4. (Currently amended) [[A]] <u>The</u> bipolar transistor according to Claim 1, wherein the silicon buffer layer is comprised of monocrystal and the extrinsic base formation layer is comprised of polycrystal.
- 5. (Withdrawn) A method of manufacturing a bipolar transistor comprising: a step of forming a masking layer on a substrate to enclose a region including the active region;

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a step of forming an epitaxial base layer such that the epitaxial base layer has a silicon layer and a silicon-germanium layer in the active region;

a step of, non-selectively with respect to the epitaxial base layer, forming a poly-base layer which comprises a silicon layer and a silicon-germanium layer in an isolation region of the region including the active region; and

a step of thereafter removing the silicon-germanium layer of the poly-base layer by etching process to expose a surface of the silicon layer as an extrinsic base formation layer, and a step of forming a silicide layer on the exposed surface.

- 6. (Withdrawn Currently amended) [[A]] <u>The</u> method of manufacturing a bipolar transistor according to Claim 5, wherein the etching process is a wet etching which uses an etchant made of a mixture comprising nitric acid, water and fluorinated acid.
- 7. (Currently amended) [[A]] <u>The</u> bipolar transistor according to Claim [[2]] <u>1</u>, wherein the composition-ratio graded base layer is a <u>silicon-germanium</u> graded base layer which comprises silicon and germanium.
- 8. (Currently amended) [[A]] <u>The</u> bipolar transistor according to Claim [[2]] <u>1</u>, wherein the silicon buffer layer is comprised of monocrystal and the extrinsic base formation layer is comprised of polycrystal.
- 9. (New) The bipolar transistor according to claim 1, wherein each of the extrinsic base formation layer and the silicon buffer layer has a thickness of not less than 60 nm and not more than 120 nm.